

Work Order ID 123161

July-29-14 2:28:08 PM

647.7818
B123161
REV-N/C

123161

Page 1

Item ID: 647.7818

Accept

N900040100

Setup Start *NS1*

Revision ID:

Stop *NS2*

Item Name: Mounting Channel

Start Date: 7/29/14 Start Qty: 6.00 *6*

Cust Item ID:

Required Date: 8/08/14 Req'd Qty: 6.00 *6*

Customer:

Reference:

Approvals: Process Plan:  Date: _____ Tooling: _____ Date: _____
QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Run Start *NR1*
Stop *NR2*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	---------	--------	--------------	---------------	---------------	------------------	----------------

Draw Nbr	Revision Nbr
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647.7800	N/C
----------	-----

100

0.00

100

BAND SAW

Bandsaw

Memo

0.00

Jeaspa Bandsaw

Cut Blanks at 20.50"

   14/09/14

110

0.00

110

HAAS CNC VERTICAL MACHINING #1

HAAS 1

Memo

0.00

HAAS CNC vertical machine #1

1-Machine per folio F314

DWG REV: N/C

FOLIO REV: N/C

  14/09/14

2- deburr and break all sharp edges

Work Order ID 123161

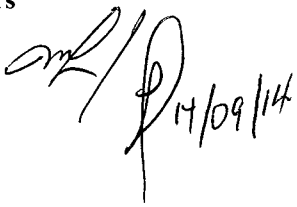
July-29-14 2:28:08 PM

123161

Page 2

Item ID: 647.7818 Accept ***N900040100*** Setup Start ***NS1***
 Revision ID: Stop ***NS2***
 Item Name: Mounting Channel
 Start Date: 7/29/14 Start Qty: 6.00 ***6*** Cust Item ID:
 Required Date: 8/08/14 Req'd Qty: 6.00 ***6*** Customer:
 Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____ Run Start ***NR1***
 QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
120 *120* QC Quality Control	QC2- Inspect parts off machine FAI/FAIB Memo	0.00 0.00				<u>6</u>	<u>0</u>		
130 *130* QC Quality Control	QC8- Inspect parts - second check Memo	0.00 0.00				<u>7</u>	<u>0</u>		DAS 44 14/09/19 9-PS
140 *140* Outsource4 Outsource process - Anodize	Outsource process-Anodize per QSI017 4.1.10.1 Memo Issue P/O to ATG : <u>25938</u> 1- Black Anodize as per Dwg 647.7800 2- PRIME AS PER DWG, SEE NOTE #2 Certification of Conformity is required	0.00 0.00				<u>CL 14/09/29 7</u>			

Picklist Print

July-29-14 2:28:08 PM

Page 1

Work Order ID: 123161

123161

Parent Item: 647.7818

647 7818

Parent Item Name: Mounting Channel


Start Date: 7/29/14

Required Date: 8/08/14

Start Qty: 6.00

Required Qty: 6.00

Comments: IPP REV A RQ VERIFIED BY DD

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
M7075T6B1.500X1.500		Purchased	No			100	f	20.0000	1.708	11			
M7075T6B1 500X1 500									**		<div> 14/29/11</div>		
7075 T6 BAR 1.500 x 1.500													

Location

Loc Qty

Loc Code

MAT008

20

M127992

8

M129891

12

M130312

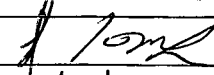

1,718

8,593

DART AEROSPACE LTD		Work Order: 123161
Description: Mounting Channel		Part Number: 647.7818
Inspection Dwg: 647.7800 Rev: NC2		Page 1 of 1

FIRST ARTICLE INSPECTION CHECKLIST

Drawing Dimension	Tolerance	Actual Dimension	Accept	Reject	Method of Inspection	Comments
20.13	+/-0.010	20.13	✓		Vern LPOB	
0.500	+/-0.005	0.500	✓		" " "	
Ø0.201	+0.005/-0.001	0.201	✓		Gage Pin	
0.385 x 100°	+/-0.005 x +/-0.5°	385 x 100°	✓		" " "	
66°	+/-0.5°	66°	✓		Vern LPOB	
0.135	+/-0.005	0.134	✓		" " "	
0.910	+/-0.005	0.910	✓		" " "	
1.165	+/-0.005	1.165	✓		" " "	
0.900	+/-0.005	0.901	✓		" " "	
Ø0.177	+0.005/-0.001	0.177	✓		Gage Pin	
0.506	+/-0.002	0.506	✓		Vern LPOB	
1.256	+/-0.002	1.256	✓		" " "	
2.386	+/-0.002	2.386	✓		" " "	
3.557	+/-0.002	3.557	✓		" " "	
4.806	+/-0.002	4.8065	✓		" " "	
6.055	+/-0.002	6.055	✓		" " "	
7.305	+/-0.002	7.305	✓		" " "	
0.578	+/-0.002	0.579	✓		" " "	
0.570	+/-0.002	0.571	✓		" " "	
0.549	+/-0.002	0.549	✓		" " "	
0.581	+/-0.002	0.581	✓		" " "	
0.544	+/-0.002	0.544	✓		" " "	
0.507	+/-0.002	0.507	✓		" " "	
0.470	+/-0.002	0.470	✓		" " "	

Measured by:  Date: 14/09/14	Audited by: DAS 44 Date: 14/09/14	Preliminary Approval: Date:
Rev Date Change	Revised by: KJ Approved: 	
A 14.08.28 New Issue		

APICAL

INDUSTRIES, INC.

ENGINEERING CHANGE NOTICE NO.

04487

SHEET 1 OF 1

DWG NO. 647.7800

REV: NC

PREPARED BY

J. SOTO

DATE: 04/07/2014

EFFECT ON DWG

☐ INC. ☒ UNINC.

DWG TITLE: BRACKET

APPROVED BY:

ENGR

MFG

QC

EFF. NEXT ORDER

TRANSACTION CODES (TC):
A-ADD
R-REVISE
C-CREATE
D-DELETE

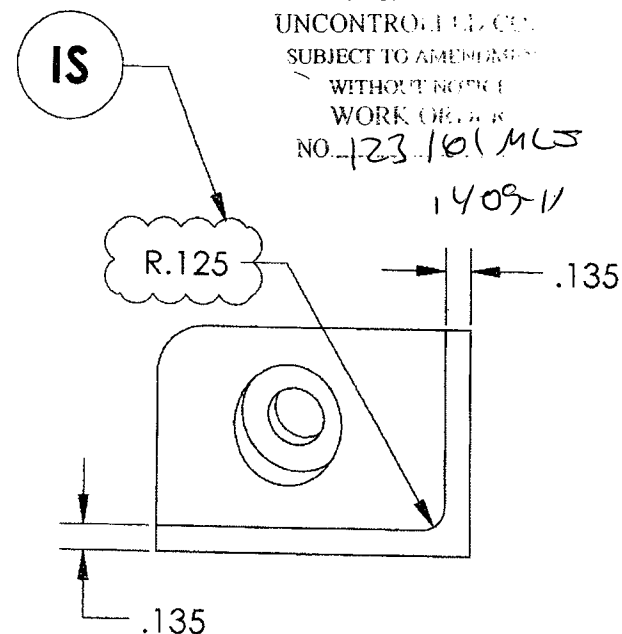
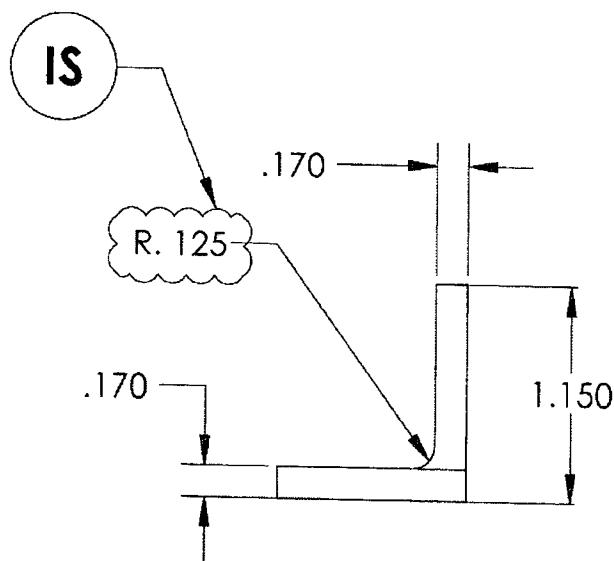
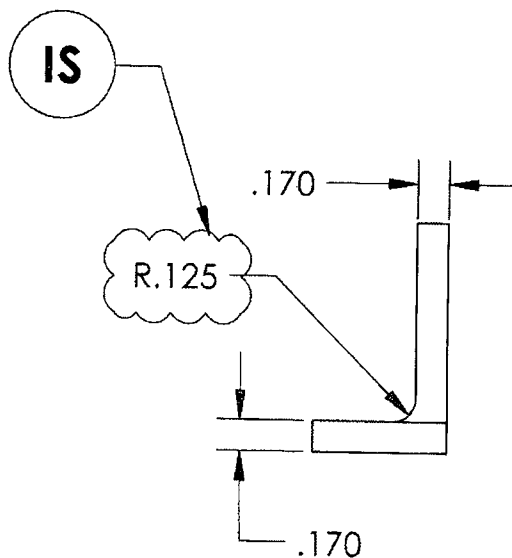
REASON: REVISED DRAWING DIMENSIONS.

ECR: D-14-03

SHEET 4, ZONE B5 IS:

SHEET 5, ZONE C4 IS:

SHEET 9, ZONE D1 IS:



SHOP COPY
RETURN TO
ENGINEERING
UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER NO. 123101 MLS
140911

DOCUMENTS EFFECTED:

☐ MDL ☐ INSTALL INSTRUCTIONS ☐ ICA ☐ FMS ☐ BOM

CHANGE CATEGORY

☐ MAJOR ☒ MINOR

DER REVIEW REQUIRED

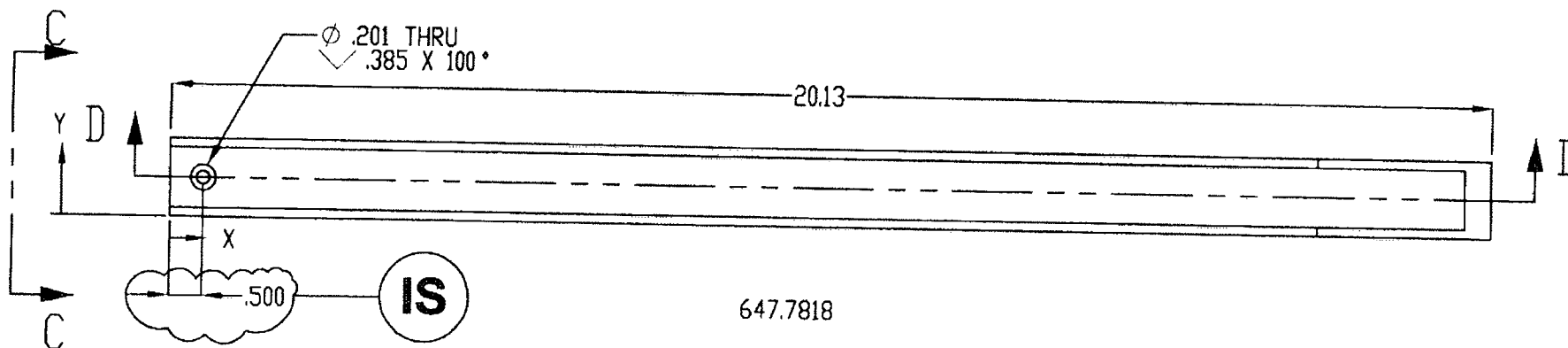
☐ YES ☒ NO

APICAL
INDUSTRIES, INC.

ENGINEERING CHANGE NOTIC NO. 03128		SHEET 1 OF 1	
DWG NO. 647.7800	REV: NC	PREPARED BY E. CASTELLANI	DATE: 06/06/11
DWG TITLE: BRACKET		EFFECT ON DWG <input type="checkbox"/> INC. <input checked="" type="checkbox"/> UNINC.	
APPROVED BY: ENGR <i>[Signature]</i>	MFG <i>[Signature]</i>	QC <i>[Signature]</i>	EFF: CURRENT ORDER
REASON: ADDED MISSING DIMENSION ON 647.7818.			

TRANSACTION CODES (TC):
A-ADD C-CREATE
R-REVISE D-DELETE

SHEET 6, ZONE B1:



F/N	TC	PART NUMBER	QTY	DESCRIPTION	MATERIAL	SPECIFICATION
DOCUMENTS EFFECTED:				<input type="checkbox"/> MDL <input type="checkbox"/> INSTALL INSTRUC <input type="checkbox"/> ICA <input type="checkbox"/> BOM	CHANGE CATEGORY <input type="checkbox"/> MAJOR <input checked="" type="checkbox"/> MINOR	DER REVIEW REQUIRED <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO

1 2 3 4 5 6 7 8

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NOTES:

- 1 MATERIAL: ALUMINUM 7075-T651 PER AMS-QQ-A-250/12
- 2 FINISH: ANODIZE PER MIL STD-A-8625, TYPE III, CLASS 2, COLOR BLACK
CARDINAL 4860-50 PRETREATMENT PRIMER
PRIME IAW MIL-P-23377J TYPE I CLASS N
3. DEBURR AND BREAK ALL SHARP EDGES
4. IDENTIFY IAW MPP-120

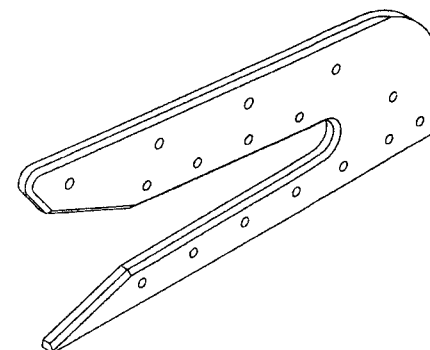
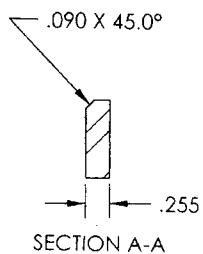
REVISED			
REV.	DESCRIPTION	DATE	APPROV./ID
1A31	PROTOTYPE REVISED PPT		N/C
N/C	INITIAL RELEASE	12-21-09	P. BRAVO

UNINCORPORATED ECN(S)

03128, 04487

		647.7822	EYE BOLT FITTING RH	△	△
		647.7821	EYE BOLT FITTING LH	△	△
		647.7820	CROSS BRACKET AFT	△	△
		647.7819	CROSS BRACKET FWD	△	△
		647.7818	MOUNTING CHANNEL	△	△
		647.7817	AFT BRACKET	△	△
		647.7816	AFT BRACKET	△	△
		647.7815	FORWARD BRACKET	△	△
		647.7814	FORWARD BRACKET	△	△
		647.7813	CENTER PLATE LOWER	△	△
		647.7812	CENTER PLATE UPPER	△	△
		647.7811	BRACKET B	△	△
		647.7810	BRACKET A	△	△
	F/N	PART #	DESCRIPTION	MATL	SPEC
QTY	PARTS LIST				
NEXT ASSY (S)	ORIGINAL DATE (MM/DD/YYYY)		APICAL INDUSTRIES		
647.7300	DRAWN BY E. ANDERSSON		2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA 92056-3512 (760)724-5300		
647.7400	DRAWING APPROVAL (12/10/09)		BRACKET		
	CHECKED BY: [33]		REV. CAGE CODE DWG. NO.		
	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.003 ANGLES ± 5°		SCALE NONE		
			SHEET 1 OF 9		

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647.7810
647.7811 OPPOSITE

TAG	X LOC	Y LOC	SIZE
A1	9.092±.002	3.332±.002	Ø.201 THRU
A2	6.906±.002	3.083±.002	Ø.201 THRU
A3	4.720	2.835±.002	Ø.201 THRU
B1	7.300±.002	.397±.002	Ø.177 THRU
B2	7.203±.002	2.369±.002	Ø.177 THRU
B3	6.050±.002	.415±.002	Ø.177 THRU
B4	5.961±.002	2.228±.002	Ø.177 THRU
B5	4.800±.002	.433±.002	Ø.177 THRU
B6	4.719±.002	2.088±.002	Ø.177 THRU
B7	3.550	.450	Ø.177 THRU
B8	3.476	1.947	Ø.177 THRU
B9	2.575	2.475	Ø.177 THRU
B10	2.380	.400	Ø.177 THRU
B11	1.250	.400	Ø.177 THRU
B12	1.160	1.220	Ø.177 THRU
B13	.500	.400	Ø.177 THRU

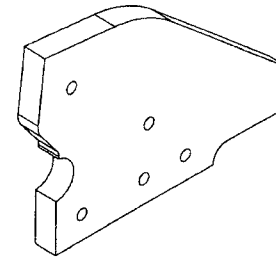
647.7810 SHOWN
647.7811 OPPOSITE

ORIGINAL DATE 11-05-99		APICAL INDUSTRIES	
DRAWN BY L. A. HENDERSON		2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5300	
DRAWING APPROVAL P. BRAVO		BRACKET	
CONTRACT No.		647.7800	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ±.01 ANGLES ±.5°		REV B 07M16	N/C
SCALE: NONE		SHEET 2 OF 9	

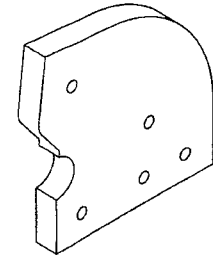
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REVISIONS		
REV.	DESCRIPTION	DATE

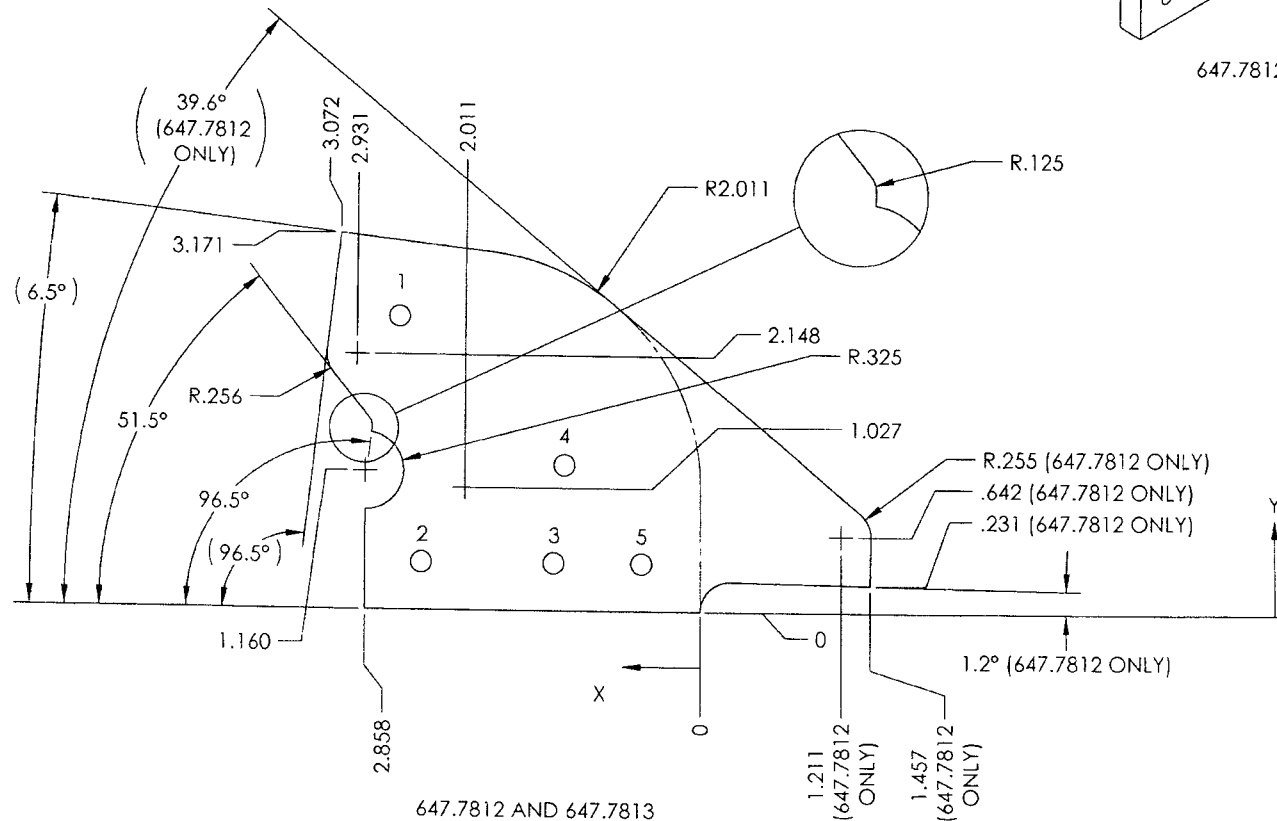
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4	1.160±.002	1.220±.002	Ø.177 THRU
5	.500±.002	.400±.002	Ø.177 THRU



647.7812



647.7813



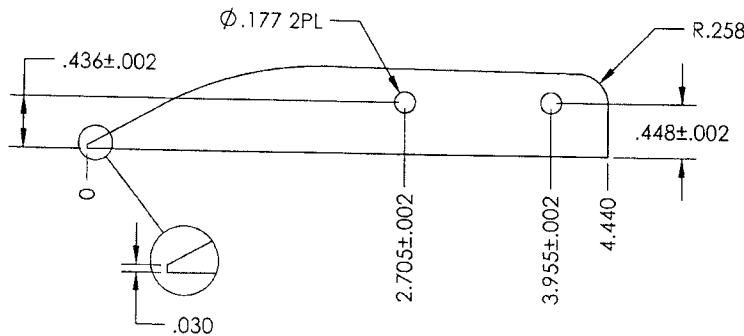
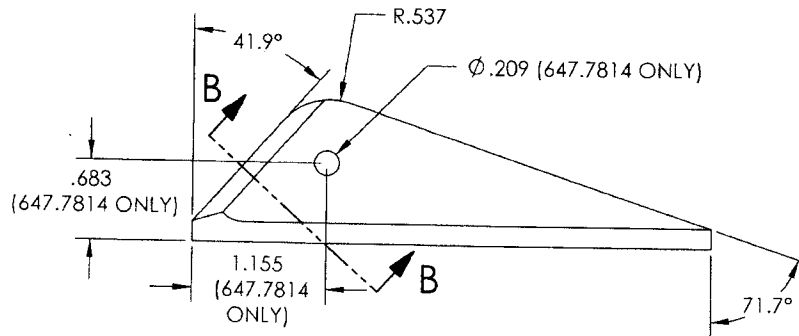
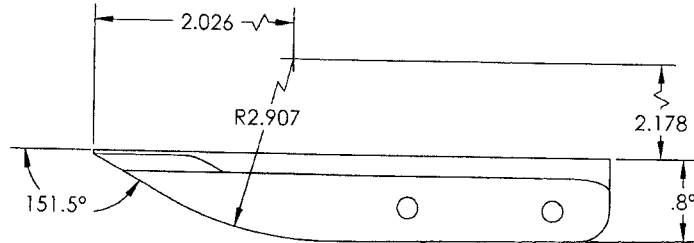
647.7812 AND 647.7813

ORIGINAL DATE 11-02-09		APICAL INDUSTRIES	
DRAWN BY E. ANDERSON		2608 TEMPLE HEIGHTS DR.	
DRAWING APPROVAL P. BRAYO		OCEANSIDE, CA. 92056-3512 (760)724-5300	
CONTRACT NO.		BRACKET	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 1 PLACE DECIMALS ±.01 2 PLACE DECIMALS ±.001 ANGLES ±.5°		DWG. NO. 647.7800	REV. N/C
SCALE NONE		SHEET 3 OF 9	

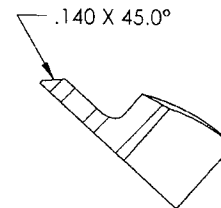
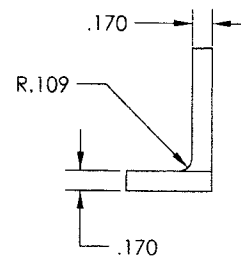
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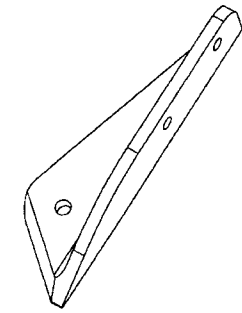
REV	DESCRIPTION	DATE	APPROVED



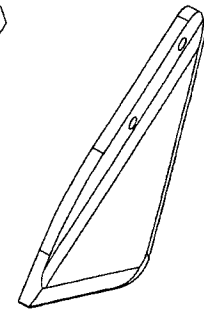
647.7814 SHOWN
647.7815 OPPOSITE



SECTION B-B



647.7814



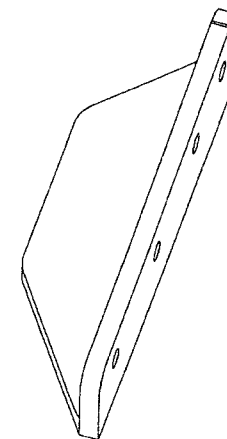
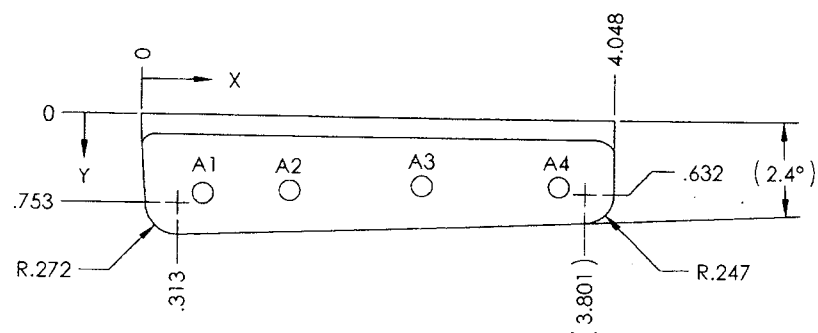
647.7815

ORIGINAL DATE 11-05-01		APICAL INDUSTRIES	
DRAWN BY 1. ANDERSSON P. BRAVO		2608 TEMPLE HEIGHTS DR.	
DRAWING APPROVAL P. BRAVO		OCEANSIDE, CA. 92056-3512 (760)724-5300	
CONTRACT NO.		BRACKET	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ±.5°		REV B	DATE 07/12/06
SCALE NONE		DWG. NO. 647.7800	REV N/C
SHEET 4 OF 9			

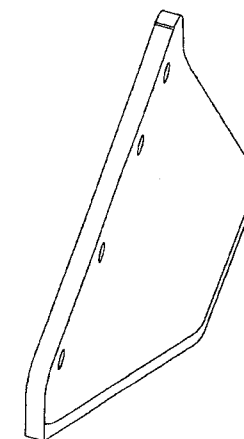
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TAG	X LOC	Y LOC	SIZE
A1	.527±.002	.666±.002	Ø.177 THRU
A2	1.276±.002	.631±.002	Ø.177 THRU
A3	2.404±.002	.578±.002	Ø.177 THRU
A4	3.576±.002	.573±.002	Ø.177 THRU

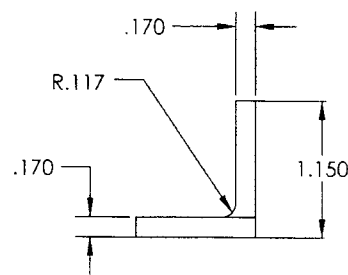
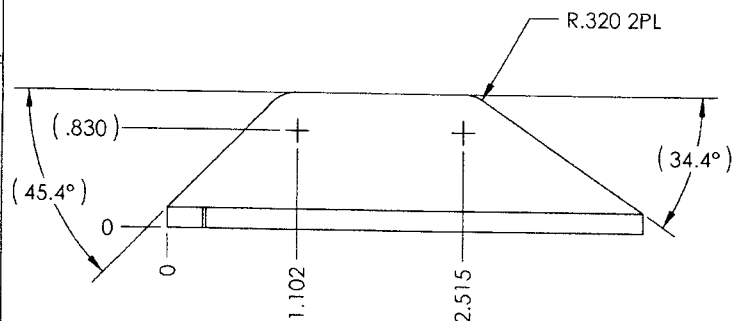
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647.7816



647.7817

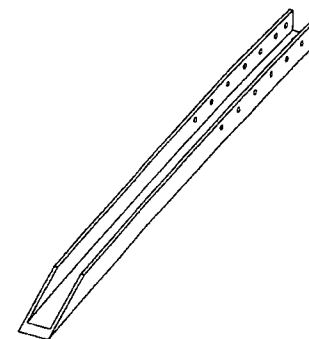
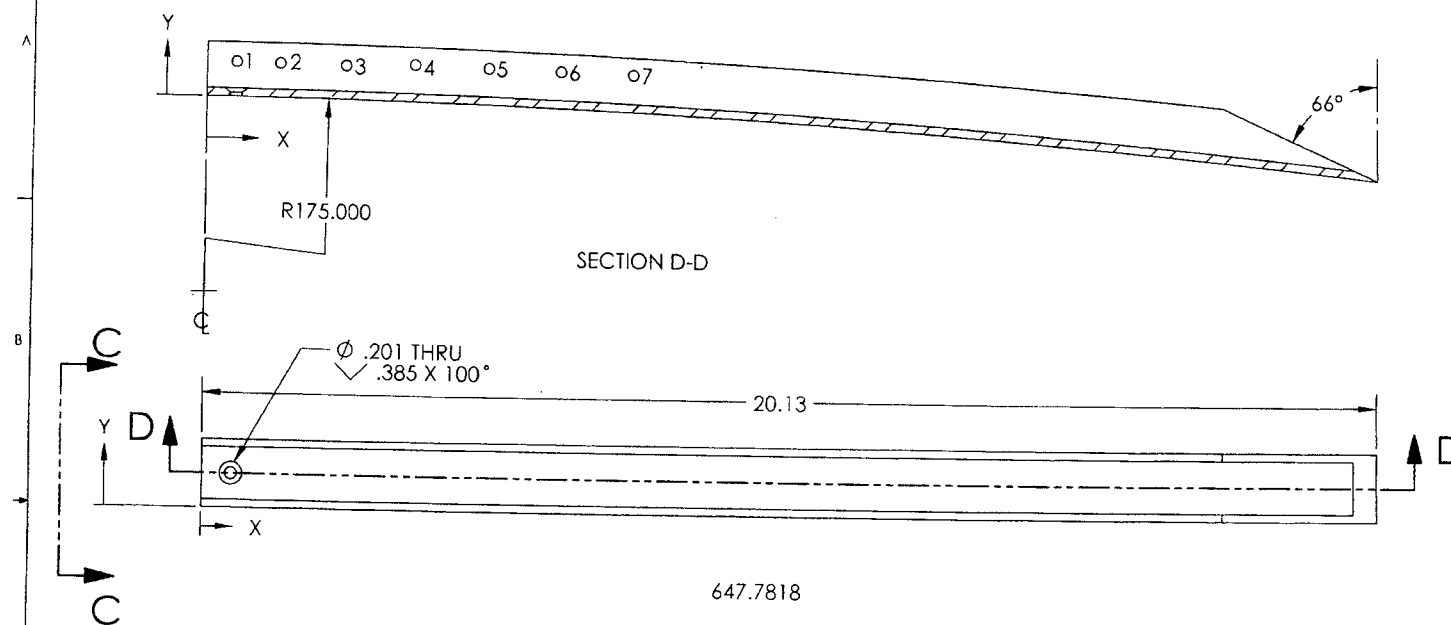


647.7816 SHOWN
647.7817 OPPOSITE

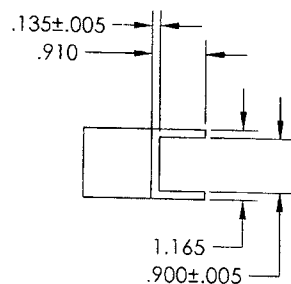
ORIGINAL DATE (MM/DD/YY) 11-05-08		APICAL INDUSTRIES	
DRAWN BY E. ANDERSON P. BRAVO		2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5300	
DRAWING APPROVAL P. BRAVO		BRACKET	
CONTRACT NO.		SCALE NONE	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 1 PLACE DECIMALS ±.01 2 PLACE DECIMALS ±.005 ANGLES ± 1°		SHEET 5 OF 9	REV. N/C

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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED



647.7818

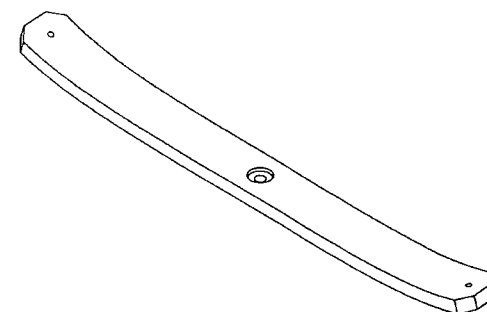
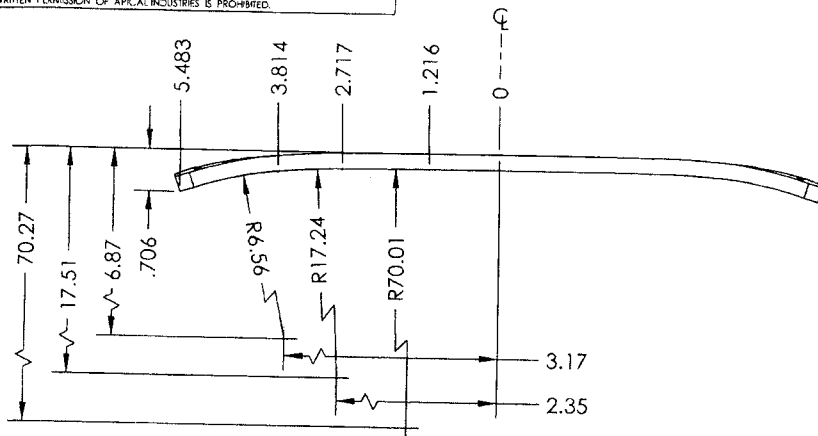


TAG	X LOC	Y LOC	SIZE
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4	3.557±.002	.581±.002	Ø .177 THRU
5	4.806±.002	.544±.002	Ø .177 THRU
6	6.055±.002	.507±.002	Ø .177 THRU
7	7.305±.002	.470±.002	Ø .177 THRU

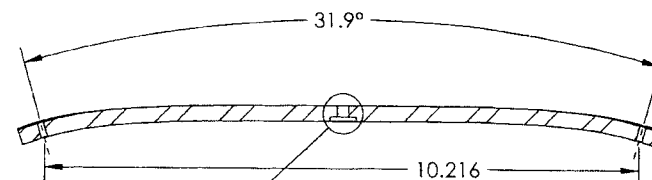
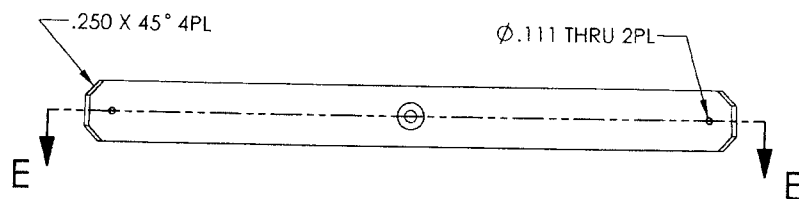
ORIGINAL DATE 11-05-09		APICAL INDUSTRIES 2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5300		
DRAWN BY C. ANDERSON				
DRAWING APPROVAL P. BRAYO				
CONTRACT NO.		BRACKET		
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ±.5°		SEE B 07M26	DWG. NO. 647.7800	REV. N/C
		SCALE NONE		SHEET 6 OF 9

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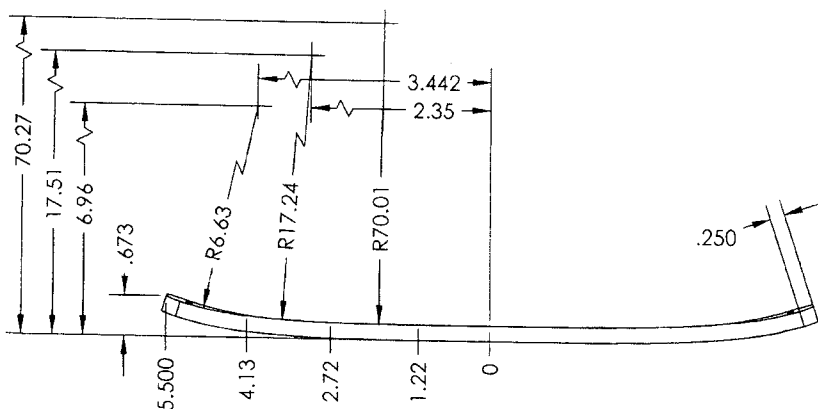
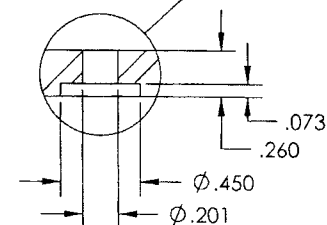
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED



647.7819



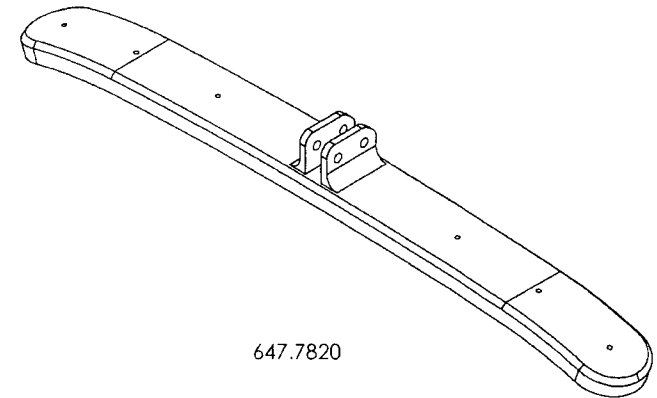
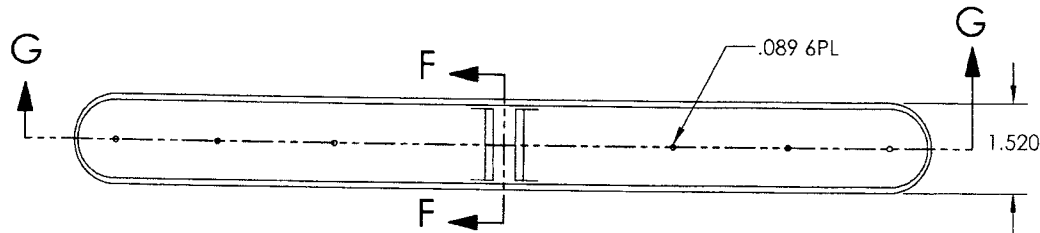
SECTION E-E



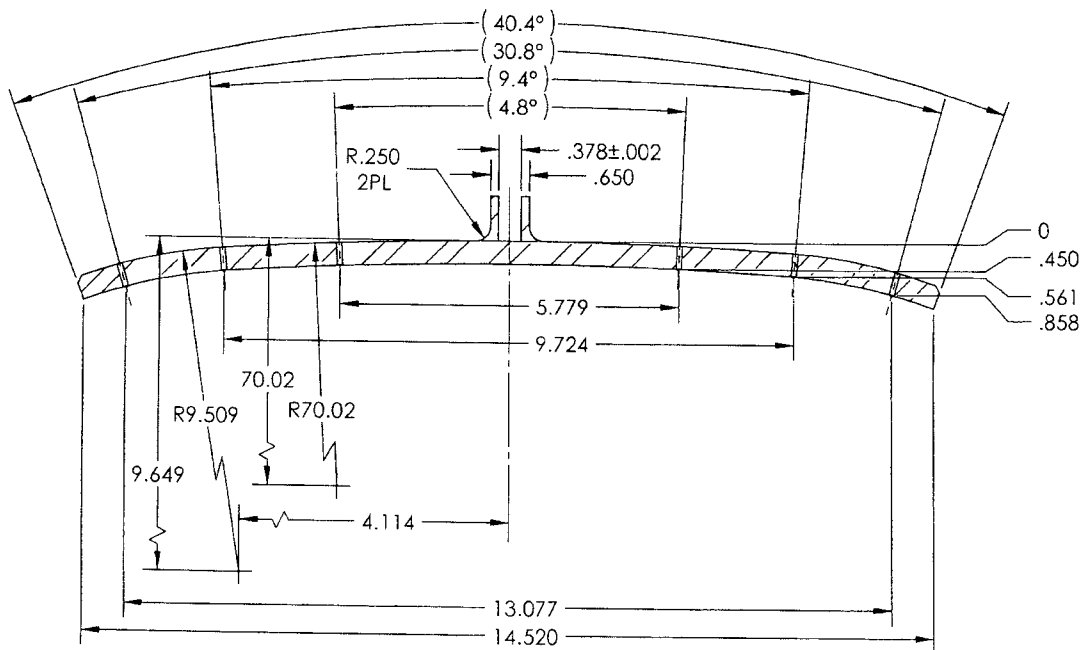
ORIGINAL DATE (MM-DD-YY) 11-05-09		APICAL INDUSTRIES 2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5300	
DRAWN BY E. ANDERSON / J. BRAVO	CHECKED P. BRAVO		
DRAWING APPROVAL P. BRAVO			
CONTRACT NO.		BRACKET	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ±.5°		REV B	N/C
SCALE NONE		DWG. NO. 647.7800	SHEET 7 OF 9

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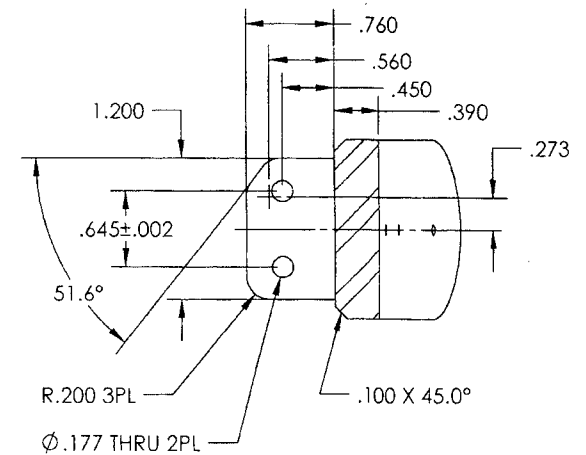
REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED



647.7820



SECTION G-G

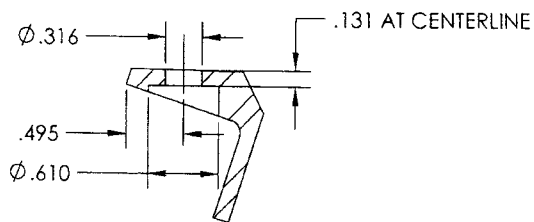
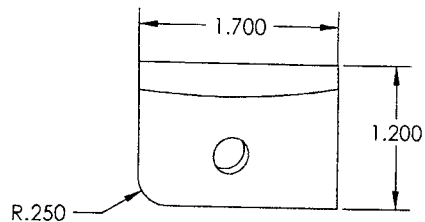


SECTION F-F

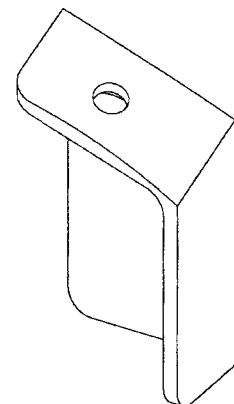
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DRAWN BY E. ANDERSSON	P. BRAVO		
DRAWING APPROVAL P. BRAVO		BRACKET	
CONTRACT NO.		SCALE NONE	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ±.5°		SHEET B 07/M26	REV N/C
DWG. NO. 647.7800		SHEET 8 OF 9	

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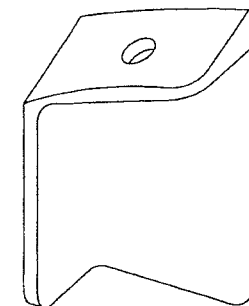
REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED



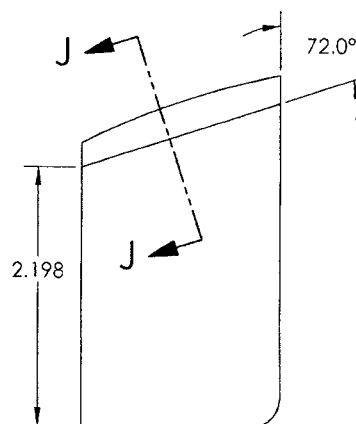
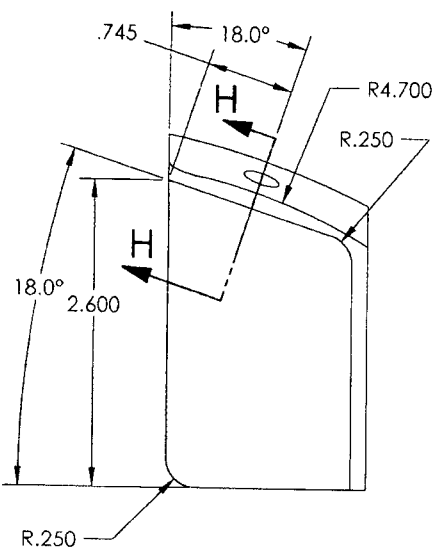
SECTION H-H



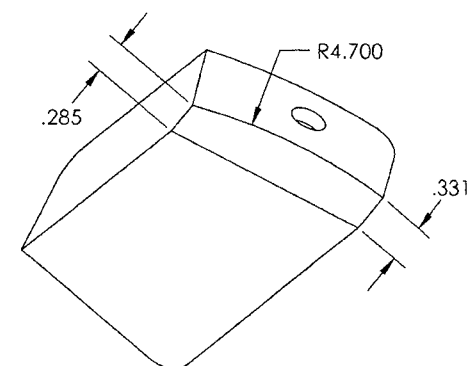
647.7821



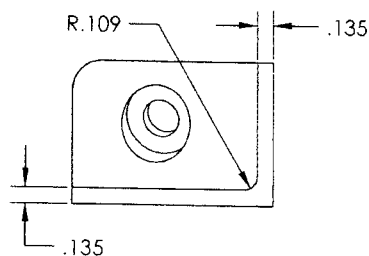
647.7822



SECTION J-J



SECTION K-K



647.7821 SHOWN
647.7822 OPPOSITE

ORIGINAL DATE 11-03-09		APICAL INDUSTRIES 2606 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5300	
DRAWN BY E. ANDERSON	CHECKED P. BRAYO		
DRAWING APPROVAL P. BRAYO			
CONTRACT NO.		BRACKET	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ±.5°		SEE CAGE CODE B 07M26	REV. N/C
SCALE NONE		DWG. NO. 647.7800	SHEET 9 OF 9

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: <u>B123161</u> Part No. <u>642.7818</u> NCR No. _____	DISPOSITION Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input checked="" type="checkbox"/> Suspected Unapproved <input type="checkbox"/>	AGAINST DEPARTMENT/PROCESS <table style="width:100%;"> <tr> <td>Skid-tube <input type="checkbox"/></td> <td>Crosstube <input type="checkbox"/></td> <td>Water Jet <input type="checkbox"/></td> <td>Engineering <input type="checkbox"/></td> </tr> <tr> <td>Machining <input checked="" type="checkbox"/></td> <td>Small Fab <input type="checkbox"/></td> <td>Prod. Eng. Coord. <input type="checkbox"/></td> <td>Quality <input type="checkbox"/></td> </tr> <tr> <td>Thermoforming <input type="checkbox"/></td> <td>Finishing <input type="checkbox"/></td> <td>Rec/Store/Packaging <input type="checkbox"/></td> <td>Other <input type="checkbox"/></td> </tr> <tr> <td>Large Fab <input type="checkbox"/></td> <td>Composite <input type="checkbox"/></td> <td>Supplier <input type="checkbox"/></td> <td></td> </tr> </table>	Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>	Machining <input checked="" type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coord. <input type="checkbox"/>	Quality <input type="checkbox"/>	Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>	Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>	
Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>															
Machining <input checked="" type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coord. <input type="checkbox"/>	Quality <input type="checkbox"/>															
Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>															
Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>																

Root Cause		Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Design	<input type="checkbox"/>	14.09.16	110	1	DIM 1.165 VARIES FROM 1.160 - 1.152 TAPERED FROM CENTER TO ANGLED END.	A.D. 14.09.16	ACCEPTABLE PER ATTACHED EMAIL.	A.D. 14.09.06	FK 14/09/19	DAS 9 289 14.09.19
Doc/Data	<input type="checkbox"/>									
Equip/Tooling	<input type="checkbox"/>									
Handling/Pre	<input type="checkbox"/>									
Material	<input type="checkbox"/>									
Operator	<input checked="" type="checkbox"/>									
Offset/Setup	<input checked="" type="checkbox"/>									
Process	<input type="checkbox"/>									
Supplier	<input type="checkbox"/>									
Training	<input type="checkbox"/>									
Transport	<input type="checkbox"/>									
Unapproved	<input type="checkbox"/>									

FAULT CATEGORY

Landing Gear <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric <input type="checkbox"/> Cracks <input type="checkbox"/> Crimp/Kink/Ripple/Wave <input type="checkbox"/> Cuffs <input type="checkbox"/> Crushing <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Marks/Chatter <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube	General <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damage/Defect <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drawing <input type="checkbox"/> Drill Holes <input type="checkbox"/> Finish <input type="checkbox"/> Fit/Function	<input type="checkbox"/> Folio/Program <input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete/Unqualified <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Misaligned/off center <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Off-set <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence
<input type="checkbox"/> Outside Dimensions <input checked="" type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input checked="" type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge		
<input type="checkbox"/> Pressure/Forced <input checked="" type="checkbox"/> Set-up <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled <input type="checkbox"/> Other		

Alex Pharand

From: Pablo Bravo
Sent: September-15-14 7:39 PM
To: Alex Pharand
Subject: RE: Deviations on cable cutter parts

Alex,

These parts should be okay to use as-is.

Pablo

From: Alex Pharand
Sent: Monday, September 15, 2014 11:19 AM
To: Pablo Bravo
Subject: Deviations on cable cutter parts

Pablo,

See attached DWG's that I have marked up. Are these deviations acceptable? The Channel ID is within tolerance all the way along the length. The outside dimension of the channel tapers from 1.160 – 1.125 in the areas shown in the markups. The upper cutter assy flange thickness is 0.238 instead of 0.250. Please advise if this is acceptable.

Thanks

Alex Pharand
Mechanical Designer



1270 Aberdeen Street
Hawkesbury, Ontario
CANADA K6A 1K7
(613) 632 5200 x 255
apharand@dartaero.com
<http://www.dartaero.com/>



A.T.G. Industries Inc.
731, rue Industrielle Rd.
PLATING DEPARTMENT
Rockland, On K4K 1T2
Canada
Ph: (613) 446-4544
Fax: (613) 446-4556

Pack List

Number: 63303

Date: 06-Oct-14

To

DART AEROSPACE LTD
1270 ABERDEEN ST.
HAWKESBURY, ON K6A 1K7
Canada

Ship To

DART AEROSPACE LTD
1270 ABERDEEN ST.
HAWKESBURY, ON K6A 1K7
Canada

Ph: 613-632-5200

Fax: 613-632-1185

Ph: 613-632-5200

Fax: 613-632-1185

Terms		Ship Via	
Quantity	Description	Rev:	Line:
7 ea	Part: 646.3311 RH HALF HARD ANODIZE AS PER MIL-A-8625 TY III, CLASS 2 PRIME AS PER MIL-P-23377J TYPE I CLASS N PRIMER IS SUPPLY BY THE CUSTOMER Job: 20140649 PO: PO25938	N/C	
7 ea	Part: 647.7818 MOUNTING CHANNEL HARD ANODIZE AS PER MIL-A-8625 TY III, CLASS 2 PRIME AS PER MIL-P-23377J TYPE I CLASS N PRIMER IS SUPPLY BY THE CUSTOMER Job: 20140650 PO: PO25938		8014-10-7
<p align="center">Certificate of Conformance</p> <p>A.T.G. Industries certifies that all items in this shipment are in conformance with all requirements, specifications and drawings referenced in the purchase order.</p> <p align="center">ISO 9001 : 2008 REGISTERED ATG SALES-2010 TERMS APPLY</p> <p>DATE: <u>6/10/14</u></p> <p>CERTIFIED SIGNATURE: _____</p> <p>RECEIVER SIGNATURE: _____</p>			



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO25938**

Purchase Order Date 9/29/2014

PO Print Date 10/7/2014

Page Number 1 of 2

Order From :

VC-ATG001

A.T.G. INDUSTRIES INC.
731 INDUSTRIELLE ROAD
ROCKLAND, ON K4K 1T2
CANADA

Ship To : DART AEROSPACE LTD

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name

Vendor Phone 613-446-4544

Ship To Contact

Ship To Phone

Ship Via: VENDOR'S TRUCK

Ship Acct:

Buyer

Chantal Lavoie

Customer POID

Customer Tax #

10127-2607

Terms

Net 30

Currency

CAD

FOB

FCA - (Free Carrier)

Line Nbr	Reference Vendor Part Number Line Comments Delivery Comments	Description/ Mfg ID	Req Date/ Taxable Promise Date	CD	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
----------	---	------------------------	--------------------------------------	----	--------------------------------	---------------	-------------------

1	122947	646.3311 RH HALF	10/6/2014 Yes 10/7/2014		7.00 ✓	\$18.10	\$126.7
---	--------	------------------	-------------------------------	--	--------	---------	---------

FINISH: HARD BLACK ANODIZE AS PER IAW MIL-A-8625 TYPE III, CLASS 2 / PRIME AS PER IAW MIL-P-23377J TYPE 1 CLASS N

Line Total: \$126.7

2	123161	647.7818 MOUNTING CHANNEL	10/6/2014 Yes 10/7/2014		7.00 ✓	\$11.25	\$78.7
---	--------	------------------------------	-------------------------------	--	--------	---------	--------

FINISH: HARD BLACK ANODIZE AS PER IAW MIL-A-8625 TYPE III, CLASS 2 / PRIME AS PER IAW MIL-P-23377J TYPE 1 CLASS N

Line Total: \$78.7

SP 14-10-7.

Note:

10/7/2014